

ABSTRACT

5 An apparatus and process for the mixing of two or more fluid streams and creating streamwise vortices. The apparatus comprises of a chamber having a proximal end, a distal end, a corresponding frequency means for forcing the mixing of the two or more fluid streams, an inlet means for receiving the two or more fluid streams at the proximal end and a divider means for separating the two or more fluid streams mounted within the chamber at the proximal end.